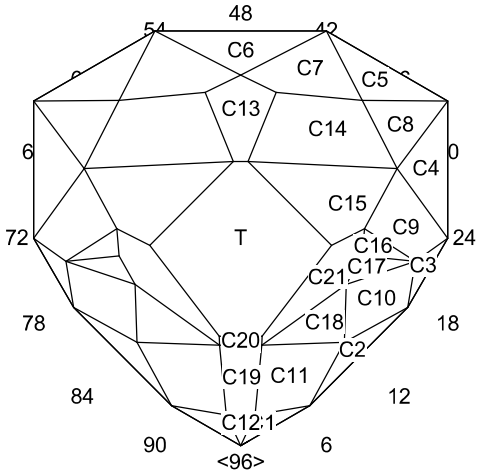

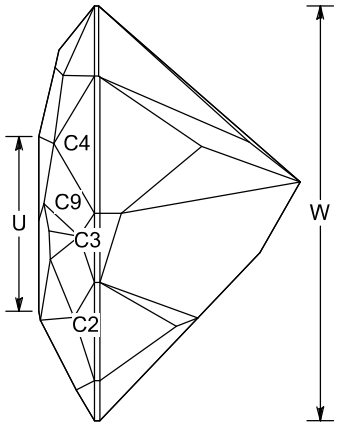

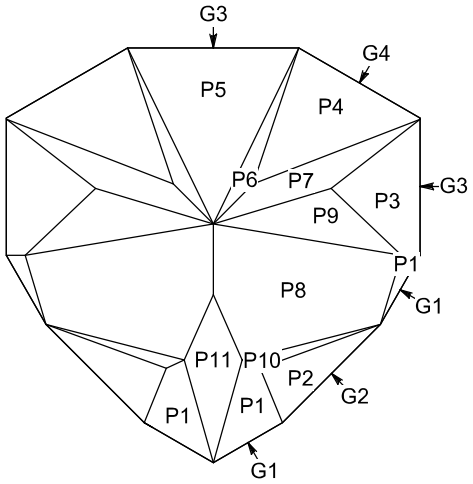

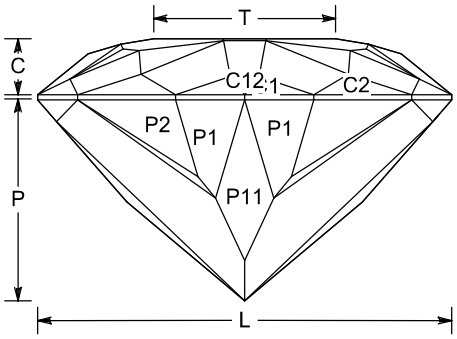

Decepticon

by Jordan Wilkins
Gemology Online Faceting Design Competition 2013
Vindictive Entry 1
Angles for R.I. = 1.540
60 + 11 girdles = 71 facets
1-fold, mirror-image symmetry
96 index
L/W = 1.000 T/W = 0.440 U/W = 0.421
P/W = 0.487 C/W = 0.134
Vol./W³ = 0.202

PAVILION

P1	52.82°	08-16-80-88	Cut to centerpoint.
P2	54.74°	12-84	Meet at culet.
P3	48.78°	24-72	Meet at culet.
P4	46.91°	40-56	Meet at culet.
P5	48.92°	48	Meet at culet.
G1	90.00°	08-16-80-88	Set stone size.
G2	90.00°	12-84	Level girdle.
G3	90.00°	24-48-72	Level girdle.
G4	90.00°	40-56	Level girdle.
P6	46.41°	44-52	Meet P4, P5, G3, G4
P7	42.30°	36-60	Meet G3, G4, P3, P4
P8	45.83°	15-81	Meet P1, P2, G1, G2
P9	43.31°	20-76	Meet P1, P3, P8
P10	48.06°	14-82	Meet G1, G2, P1, P2, P8
P11	43.67°	96	Meet P1, G1; P1, P8, P10

CROWN

C1	43.21°	08-88	Set girdle width.
C2	45.20°	12-84	Level girdle.
C3	43.08°	16-80	Level girdle.
C4	38.83°	24-72	Level girdle.
C5	36.63°	40-56	Level girdle.
C6	38.53°	48	Level girdle.
C7	28.51°	44-52	Meet G3, G4, C5, C6
C8	26.19°	35-61	Meet G3, G4, C4, C5
C9	31.33°	20-76	Meet G1, G3, C3, C4
C10	34.96°	14-82	Meet G1, G2, C2, C3
C11	35.00°	10-86	Meet G1, G2, C1, C2
C12	30.59°	96	Meet G1, C1
C13	13.25°	48	Meet C6, C7
C14	12.42°	40-56	Meet C4, C8, C9; C5, C7, C8
C15	8.54°	36-60	Meet C4, C8, C9, C14
C16	30.50°	18-78	Meet C3, C9, C10
C17	32.57°	15-81	Meet C3, C9, C10, C16
C18	30.80°	12-84	Meet C2, C10, C11
C19	27.27°	96	Meet C1, C11, C12
C20	11.00°	96	Meet C11, C18, C19
C21	18.41°	14-82	Meet C9, C15, C16; C10, C17, C18; C11, C18, C19, C20
T	0.00°	Table	Meet C13, C14, C15

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